

CONTRIBUTION TO THE LICHEN FLORA OF BRAZIL XII.  
Lichens from Sao Jeronimo, Rio Grande do Sul State.

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The present paper is based on the study of the lichens collected by the authors in the Municipality of Sao Jeronimo in a recent date. (August 1982). The collection site is located in the northern part of the Municipality nearly 12 km NW from Arroio dos Ratos City. All the lichen species here reported were collected growing on Mimosa bimucronata which constituted in the place visited a small open forest. The only disturbance that the authors could observe was that the place is pastured by cattle. All the specimens of this arborescent Mimosa were submitted to a good sunny exposition.

Despite the reduced number of species listed, the authors consider a matter of interest to publish the results obtained as a contribution to the knowledge of the lichen flora growing on indigenous trees. Moreover the Municipality of Sao Jeronimo which is placed in the western part of the Central Lowlands of Rio Grande do Sul State (Depressao Central) will be exposed to damages originated by the development of the Great Porto Alegre.

The specimens collected by the junior authors (LCB/. LPP/.) are preserved in HAS and those collected by the senior author (HO/.) are deposited in his private herbarium.

Anthracothecium goniostomum Müll. Arg.

On bark, LPP/06, HO/8091.

Caloplaca crocea (Kremph.) Haf. & Poelt.

On trunk, not common, LCB/01, HO/8090.

Caloplaca erythrantha (Tuck.) Zahlbr.

On bark and small branches, locally common, LPP/02, HO/8095, HO/8097 pr.p.

Candelaria concolor (Dicks.) Arn.

On bark, HO/8097 pr.p.

Dimerella atrolutea (Vainio) Malme.

On bark, not common, LPP/12, HO/8094. Malme (1935) reported this species in Rio Grande do Sul State from two localities: Silveira Martins and Cruz Alta.

Dimerella pyrophthalma (Mont.) Vezda.

LPP/07.

- Heterodermia diademata (Tayl.) Awasthi.  
Ontrunk with Polypodium sp., LCB/05, HO/8122.
- Heterodermia flabellata (Fée) Awasthi.  
LCB/02.
- Heterodermia obscurata (Nyl.) Trevis.  
On trunk, LCB/03, HO/8119.
- Hypotrachyna pluriformis (Nyl.) Hale.  
Ontrunk, HO/8106, HO/8121. New to Rio Grande do Sul State.
- Lecanora minarum Vainio.  
On big branches, only specimen seen, HO/8096. New to Rio Grande do Sul State.
- Lecidea russula Ach.  
On big branches, not common, LPP/01, HO/8093.
- Leptogium austroamericanum (Malme) Dodge.  
On trunk, not common, HO/8104.
- Parmelina consors (Nyl.) Hale.  
On trunk, only specimen seen, LCB/11, HO/8116.
- Parmelina pilosa (Stizb.) Hale.  
On trunk, HO/8113.
- Parmotrema cetratum (Ach.) Hale.  
On trunk, HO/8115.
- Parmotrema reticulatum (Tayl.) Choisy.  
LCB/09.
- Parmotrema rigidum (Lynge) Hale.  
LCB/10. This species is largely distributed in America reaching the extreme southern United States (Hale 1965). In Brazil is known only from the type locality: Piratiny, Rio Grande do Sul State (Lynge 1914).
- Parmotrema subsumptum (Nyl.) Hale.  
On small branches, few specimens seen, HO/8103.
- Parmotrema tinctorum (Nyl.) Hale.  
Trunk, LCB/08, HO/8114, HO/8118.
- Pertusaria depressa (Fée) Mont. & v. d. Bosch.  
On bark, HO/8098.
- Pertusaria pulchella Malme.  
On trunk, LPP/03, HO/8092.
- Phaeographina caesiopruinosa (Fée) Müll. Arg.  
On trunk and branches, locally common, LCB/12, HO/8089.
- Phlyctella brasiliensis (Nyl.) Zahlbr.  
On trunk, LPP/04, HO/8099. New to Rio Grande do Sul State.
- Pseudoparmelia carneopruinata (Zahlbr.) Hale.  
On trunk, HO/8110.
- Punctelia canaliculata (Lynge) Krog.  
On branches, LCB/07, HO/8102, HO/8111, HO/8120.
- Punctelia microsticta (Müll. Arg.) Krog.  
LCB/06.
- Punctelia subpraesignis (Nyl.) Krog.  
On trunk, very scarce, LCB/04, HO/8117. Formerly known from one locality in western Rio Grande do Sul State (Osorio, Aguiar & Homrich 1981).
- Ramalina celastri (Spreng) Krog & Swinsc.  
On branches, not common, LPP/10, HO/8125.

Ramalina peruviana Ach.

On branches, LPP/11, HO/8107, HO/8123.

Teloschistes exilis (Michx.) Vain.

On trunk and branches, LPP/08, HO/8105, HO/8112.

Teloschistes flavicans (Sw.) Norm.

On branches, LPP/09, HO/8100.

Usnea dichroa Mot. var. spinulosa Mot.

On branches, scarce, LPP/15, HO/8108. New to Rio Grande do Sul.

Usnea poliotrix Krempf.

On branches, very scarce, LPP/14, HO/8101. According with the information at our disposal (Motyka 1936/38) this species is known in this State from two localities: Porto Alegre and Neu-Württemberg (at present Municipality of Panambis).

Usnea rubicunda Stirt.

LPP/13. New to Rio Grande do Sul State.

#### SUMMARY.

Thirty five lichen species growing on Mimosa bimucronata and collected in the Municipality of Sao Jeronimo are listed.

The following species are added to the known flora of Rio Grande do Sul State: Hypotrachyna pluriformis, Lecanora minarum, Phlyctella brasiliensis, Usnea dichroa var. spinulosa and Usnea rubicunda.

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